

IN THE TITLE

Please amend the title of the invention as follows:

INTERNET INTERFACE SERVICE SYSTEM AND METHOD
PROVIDING PUBLIC INTERNET ACCESS TO USERS CARRYING
MOBILE TERMINALS

IN THE SPECIFICATION

1. Please amend paragraph [0003] as follows:

[0003] In general, the development of internet communications provides a communication environment in which a user who hopes to connect to the internet network can be connected to the internet anywhere through a mobile phone, a leased-line connection service provider, or the like by using a mobile terminal of the user. Accordingly, the user can connect to the internet network and conduct his own business in any place where lines for internet connections are provided (*e.g.*, on business trips, travel, academic conference participation, or the like) by using his own mobile terminal, such as a notebook computer, a palm-top computer, a small-sized network computer, a PDA, or the like. However, there exists an inconvenience in that, in order for a user who has a portable mobile terminal to connect to the internet, the user has to connect his portable terminal to a telephone line or a leased-line furnished in his abode, or has to visit a particular place which provides an internet connection service.

2. Please amend paragraph [0009] as follows:

[0009] The interface unit comprises: a connection terminal or a connection unit, such as a LAN cable to which the mobile terminal is to be connected, or ~~[[a]]~~ an LAN cable to which a LAN card is connected; a communication unit enabling the user to connect to the internet network through his mobile terminal; a settlement unit for charging the user for services based on a charging rate according to a predetermined reference; an output unit for outputting a receipt according to the charging function performed in the settlement unit, and for displaying a message; a storage unit for storing usage information as to the user, and predetermined operating programs for controlling the entire interface unit; and a control unit for controlling the above components according to the operating programs stored in the storage unit.

3. Please amend paragraph [0027] as follows:

[0027] ~~In step S302, the~~ The interface unit 1 receiving the dynamic IP address data and the usage authentication signal from the central management server 2 in step S302 allocates the received dynamic IP address to the connected mobile terminal 10 of the user so that the mobile terminal 10 of the user is provided with internet service by using the dynamic IP address allocated from the lines connected by the interface unit 1 and the central management server 2 (S303). When the mobile terminal 10 provided with the internet service through connection to the interface unit 1 terminates internet searches or the work being conducted through the internet network by using the interface unit 1, the mobile terminal 10 transmits a predetermined termination signal to the interface unit 1. The predetermined termination signal is, for example, an inactivation of the communication unit of the mobile terminal as in the power-off of the mobile terminal, or a communication channel termination signal automatically transmitted when an external connection is terminated from the mobile terminal 10 of the user, or a shutoff of the internet service provided from the interface unit 1 by selecting a connection termination appearing on a menu of the interface unit 1. When the interface unit 1 receives the connection termination signal, the connection termination signal is transmitted to the control unit 21 of the interface unit 1, the control unit 21 receiving the signal closes the communication channel connected with the mobile terminal 10 and indicates, on the liquid crystal display (LCD) 27, charge information stored in the storage unit 24 while at the same time outputting a usage statement through the output unit 26. Further, the charge information and the connection termination signal are transmitted from the interface unit 1 to the central management server 2, and, when the charge information is transmitted to the settlement server 3 in the charging process, the charge information is transmitted to the settlement server 3 through the central management server 2 so that the charges are transacted. Furthermore, the central management server 2, when receiving the connection termination signal from the

interface unit 1, releases the setting of the dynamic IP address allocated to the mobile terminal 10 in order that a mobile terminal 10 connected with another interface unit 1 can use the dynamic IP address, and then it terminates the entire process (S304).

4. Please amend paragraph [0029] as follows:

[0029] The first communication unit 22 mounted in the interface unit 1 is one of the communication units implemented in the mobile terminal 10 of the user through a LAN cable, and is equipped with the LAN cable to which a LAN card is connected and is to be used if the LAN cable equipped with an RJ45 connector connected to the LAN card and the LAN card as a communication unit of a user's mobile terminal 10 are not provided. When a user connects, to mobile terminal 10, either a LAN cable of the first communication unit 22, provided in the interface unit 1, or a LAN cable to which a LAN card is connected, the control unit 21 of the interface unit 1 activates a communication port connected with the user's mobile terminal 10 (S401). In step S401, when a LAN card is not mounted as a communication medium in the user's mobile terminal 10, the user mounts in the mobile terminal a LAN cable having a LAN card connected to the first communication unit 22 of the interface unit 1. After that, the control unit 21 transmits to the central management server 2 a signal notifying of the activation of the communication port, while at the same time providing a dynamic IP address (S402) and outputting a message requiring insertion of a settlement medium into the liquid crystal display 27 of the interface unit 1 (S403).

5. Please amend paragraph [0032] as follows:

[0032] The settlement server 3, receiving the information from the settlement medium, decodes the received information and, when the settlement medium is authorized, server 3 transmits to the central management server 2 a signal approving the settlement medium of the user. The central management server 2, receiving the

approval signal for the user from the settlement server 3, transmits one of the IP addresses allocatable as a dynamic IP address of the stored IP addresses to the interface unit 1 so as to allocate the dynamic IP address to the mobile terminal 10 of the user connected to the interface unit 1, and so that the mobile terminal 10 of the user is authenticated and can be connected to the internet network (S503). In this step S503, if the settlement medium of the user is not authorized, the central management server 2 outputs an error message, and the communication is terminated.

6. Please amend paragraph [0035] as follows:

[0035] When the control unit 21 of the interface unit 1 receives a connection termination signal (S601), termination information is, in effect, requested (S602), and usage time information and usage fee information for the user ~~[[is]]~~ are outputted on the liquid crystal display (LCD) 27 of the interface unit 1 by a charge device stored in the storage unit. At the same time, the control unit 21 of the interface unit 1 transmits usage time information, usage fee information, and a connection termination signal to the central management server 2. The usage time information and the usage fee information of the user, transmitted from the interface unit 1, are sent to the settlement server 3 to carry out the charge of the usage fee, and the central management server 2 releases the allocation of the dynamic IP address allocated to the mobile terminal 10 according to the connection termination signal. Next, the control unit 21 of the interface unit 1 uses the charge device provided in the storage unit 24 to transmit the charge information on the connection time period of mobile terminal 10 to the output unit 26, prints the charge information by means of a printer device or the like, thereby providing a receipt (S603), and then terminates the process.

7. Please amend paragraph [0042] as follows:

[0042] It should be understood that the present invention is not limited to the

particular embodiment disclosed herein as the best mode contemplated for carrying out the present invention, ~~but rather~~ and that the present invention is not limited to the specific embodiments described in this specification except as defined in the appended claims.